SEQUENCE LISTING

- <110> Japan as Represented by President of The University of Tsukuba
- <120> A New Root-knot Nematodes Resistance Gene and Its Use
- <130> PH-1611-PCT
- <140> US/10/509, 420
- <141> 2004-09-24
- <150> JP 2002-89622
- <151> 2002-03-27
- <160> 8
- <170> PatentIn Ver. 2.1
- ⟨210⟩ 1
- <211> 2613
- <212> DNA
- <213> Solanum tuberosum
- <220>
- <221> misc_feature
- <222> (110)..(110)
- $\langle 213 \rangle$ n stands for any base

<221> misc_feature

<222> (1435).. (1435)

<213> n stands for any base

<220>

<221> misc_feature

<222> (2519).. (2520)

<213> n stands for any base

<400> 1

atggcttatg ctgctattac ttgtcttatg agaaccatac aacaatctat tcaacttact 60 ggatgtaatt tgcaatcatt ctatgaaaag tttgaatctt tgagagcttn tttggagaaa 120 cacacgggca atcttgatgc attgaaaagc ttggaagctg aaatcataga acttgtatgc 180 actacagaag atattttgga cttggaatca agaaatgtta aaaatccaat ttcaagaata 240 atagettttt ggaaaettea ttetetettg aaacaageag taggaegeat tgatteeaeg 300 ctgaacaagt ggatggaaat gcagaacatg tacaccaaaa ggaaagatga agaagcacat 360 aacttggatc ttgctagtac tgcatcaatg tctcaacatg ttgtggagcc tcaggatatg 420 atggttggac atgaaaatga actcgagatg atcatgcagg atcagcttgc tagaggagca 480 agtgaacttg aagttgtctc cattgtaggt atggggggca tcggtaagac aactttggct 540 gacaaaattt ataatgatcc attcataatg tcacactttg acattcgtgc aaaagctact 600 gtttcacaag agtattgcgc gaaaaatgta tgcctaagtc ttctttcttc tataagtgga 660 aagagcaatg agcatcaaga tgatgggcaa ctagctgatc gactgcaaaa aagtctaaaa 720 gggaggaggt atttagtagt cattgatgac atatggaccg aacgagcttg ggatgatatg 780 aaactatgtt teccagattg taactgtgga agcagaatae tgetgacaae teggaatatg 840 gaagtagcta agtatgctag ctcaggtaag cctcctaaga atcaaatgcg actcttgaat 900 attgatgaaa gttggaagtt actacccagt agagtctttg taaaaaaactg tttctcccct 960 gaatttgaac aacttgggaa acaaattgct cttaaatgcg ggggattacc tttagctatt 1020 atcgttattg ctggagttct gtctaatatt ggtgagtcat ttgatgaatg gacaagtgtt 1080 gcagagaatg taagttcagt ggtaagtaca gatcacaatg tacaatgcat gagagtgttg 1140 gcgttgagtt atcatcactt accacatcac ttgagagcgt gttttctata ttttgcaata 1200 ttcccggagg atacagtgat ttttgtgaat aaacttgtga aattatggac agcagagggt 1260 tttttgaaga cagaaatgat gaaaagtata gaagaagttg cagaaaaatg tgttaaagat 1320 cttatagata gaaatttagt ttttgtccaa agggtgagta gttttgatgg aaaaataaaa 1380 gcttgtggaa tgcatgatgt gatccgtgaa ctctgcttga gagaagctcg aaacncaaat 1440 tttgtgaatg ttataatgga taatcaaaat ccatgtgaac aatccatgaa ttattccaca 1500 aagggagttc ggataagtat ccaatccaaa cttgctgcca atcagttgtc tatggtttgt 1560 aataacgatt cctattctgt tctcgttttt actgaagatc cctcaagctc aagaatggtg 1620 cagggettga ageattteaa ggtaetaaga gtaettatet tgetteggtg geattgeatg 1680 tttcccaatt gcatagttga actatttcac ttgagatatc taggtttgag tgtttactcg 1740 tccactaatg attgggatat ttgttttcca tcctcaatag ctagccttga gtatttgcaa 1800 actttaatac ttaagtttcc aacatctctc ggatggaagt tcactagact tttcagatta 1860 ccatcgagta ttttcaagat gtcgcaattg aggcatctat ctttggactg gaattacttg 1920 aatggacatg aatctagcga gagatcaagt tgggttttga gaaatcttga gtgtctgtct 1980 ggatggaatc ctttatcttg tacttcttcg gtttttagac tacttccgaa tgtaaagaag 2040 ttgcaaatat gtggtatcca agaagactac ataagaaagg acaaggtctt tgatgatctt 2100 tgctgcttaa atcagcttac agaattgaaa tttaagatta gaaagatgat tggaagagca 2160 atatatgata catcttttgt tetteeteet etaggtgett tteegaagaa eettaagaag 2220 ttagctttta caggtactcg tttgcattgg aaggatttgg agattcttgg taagttgcct 2280 aaactcgagg ccctcaaact aggatatgat gcctgcattg gtactgattg ggaagtaggt 2340 gaggaagggt ttccacactt gaagttcttg cgattgaagc atttgtactt gcataactgg 2400 agagctagta gtgatcattt tccacgactt gaacgactag tcattaaccg tcgttggagc 2460 atgtattcga teccacagga ttttgtagae ataaccacae tteagetgat teatataann 2520 gactetgeaa aatetgttgg gaacteegee aagaagatte ageaggaaat tgaagacage 2580 2613 tatggaagtt ctgttgaggt ctgtatcagt tag

```
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:primer
⟨400⟩ 2
                                                                    23
gatccattct ataatgtctc act
<210> 3
<211> 22
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:primer
<400> 3
                                                                    22
ctatctataa gatctttaat ca
⟨210⟩ 4
<211> 17
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:primer
```

gttttcccag tcacgac

17

⟨210⟩ 5

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

⟨400⟩ 5

gttggtcatg aaaatgaa

18

⟨210⟩ 6

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

⟨400⟩ 6

atattgctct tccaatca

18

<210>		
<211>	24	
<212>	DNA	
<213>	Artificial Sequence	
<220>		
<223>	Description of Artificial Sequence:primer	
<400>	7	
atggc	ttatg ctgctattac ttgt	24
<210>	8	
<211>	24	
<212>	DNA	
<213>	Artificial Sequence	
<220>		
<223>	Description of Artificial Sequence:primer	

ctaactgata cagacctcaa caga

24